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Jennifer M. Anderson, Lance M. Berc, Jeffrey Dean, Sanjay Ghemawat, Monika R. Henzinger, Shun-Tak A. Leung, Richard L. Sites, Mark T. Vandevoorde, Carl A. Waldspurger, William E. Weihl
 November 1997 ACM Transactions on Computer Systems (TOCS), Volume 15 Issue 4
 Publisher: ACM

Full text available: pdf(259.35 KB)

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Bibliometrics: Downloads (6 Weeks): 13, Downloads (12 Months): 160, Citation Count: 32

This article describes the Digital Continuous Profiling Infrastructure, a sampling-based profiling system designed to run continuously on production systems. The system supports multiprocessors, works on unmodified executables, and collects profiles ...

Keywords: performance understanding, performance-monitoring hardware, profiling, program analysis

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2 [Intermediary Architecture: interposing middleware object services between Web client and server](#)

Craig Thompson, Paul Pazandak, Venu Vasudevan, Frank Manola, Mark Palmer, Gil Hansen, Tom Bannon
 June 1999 ACM Computing Surveys (CSUR), Volume 31 Issue 2es
 Publisher: ACM

Full text available: pdf(33.33 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 87, Citation Count: 0

This paper describes the Intermediary Architecture, a middleware architecture which interposes distributed object services between Web client and server. The architecture extends current Web architectures with a new kind of plug-in, ...

Keywords: World Wide Web, annotations, distributed objects, object request brokers

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3 [WebFlow: high-level programming environment and visual authoring toolkit for high performance distributed computing](#)

Erol Akarsu, Geoffrey C. Fox, Wojtek Furmanski, Tomasz Haupt
 November 1998 Supercomputing '98: Proceedings of the 1998 ACM/IEEE conference on Supercomputing (CDROM)
 Publisher: IEEE Computer Society

Full text available: pdf(22.04 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 16, Citation Count: 7

We developed a platform independent, three-tier system, called WebFlow. The visual authoring tools implemented in the front end integrated with the middle tier network of servers based on the

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industry standards and following distributed object paradigm, ...


Keywords: HPCC, Java, WebFlow, distributed objects, globus, metacomputing, three tier architecture, visual authoring tools, web server

4 New products

Linux Journal Staff

August 2001 Linux Journal, Volume 2001 Issue 86

Publisher: Specialized Systems Consultants, Inc.

Full text available:  [html\(6.09 KB\)](#)

Additional Information: [full citation](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 5, Citation Count: 0


5 Location-aware mobile applications based on directory services



Henning Maass

August 1998 Mobile Networks and Applications, Volume 3 Issue 2

Publisher: ACM

Full text available:  [pdf\(421.47 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 89, Citation Count: 8

Location-aware applications are becoming increasingly attractive due to the widespread dissemination of wireless networks and the emergence of small and cheap locating technologies. We developed a location information server that simplifies and speeds ...

6 Collaborative technology for facilitating progressive inquiry: future learning environment tools

Hanni Muukkonen, Kai Hakkarainen, Minna Lakkala

December 1999 CSCL '99: Proceedings of the 1999 conference on Computer support for collaborative learning

Publisher: International Society of the Learning Sciences

Full text available:  [pdf\(183.07 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 106, Citation Count: 5

The design of a web-based, networked learning environment, Future Learning Environment (FLE-Tools) embodies a model of progressive inquiry. In this paper, we introduce the progressive inquiry model and describe how different modules of FLE-Tools are ...


Keywords: groupware, higher education, inquiry, scaffolding

7 Paranoid Penguin: Battening Down the Hatches with Basilie

Mick Bauer

April 2001 Linux Journal, Volume 2001 Issue 84es

Publisher: Specialized Systems Consultants, Inc.

Full text available:  [html\(23.62 KB\)](#)

Additional Information: [full citation](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 5, Citation Count: 0


8 Microsoft TerraServer: a spatial data warehouse



Tom Barclay, Jim Gray, Don Slutz

June 2000 ACM SIGMOD Record, Volume 29 Issue 2

Publisher: ACM

Full text available:  [pdf\(419.74 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 23, Downloads (12 Months): 117, Citation Count: 8

Keywords: VLDB, geo-spatial, image databases, internet

Kim Mills, Geoffrey Fox, Paul Coddington, Barbara Mihalas, Marek Podgorny, Barbara Shelly, Steven Bossert

Publisher: ACM

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 44, Citation Count: 1

The Living Textbook creates a unique learning environment enabling teachers and students to use educational resources on multimedia information servers, supercomputers, parallel databases, and network testbeds. We have three innovative educational software ...

Keywords: education technology, ATM, gigabit network, multimedia server, K-12, information ondemand, digital video

Michael Chau, Daniel Zeng, Hinchun Chen

January 2001 JCDL '01: Proceedings of the 1st ACM/IEEE-CS joint conference on Digital libraries

Publisher: ACM

Full text available: pdf(672.04 KB) Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 24, Downloads (12 Months): 166, Citation Count: 10

Searching for useful information on the World Wide Web has become increasingly difficult. While Internet search engines have been helping people to search on the web, low recall rate and outdated indexes have become more and more problematic as the ...

Keywords: information retrieval, internet searching and browsing, internet spider, noun-phrasing, personalization, self-organizing map

Michael W. Tian, C.-J. Richard Shi

June 1997 DAC '97: Proceedings of the 34th annual conference on Design automation

Publisher: ACM

Full text available:  pdf (51.85 KB) Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 9, Citation Count: 5

Fault-driven analog and mixed-signal testing calls for rapid fault simulation techniques. A problem that has not been addressed effectively by existing research is that circuit parameters have tolerance ranges. In this paper, we propose representing parameters ...

I. Kadayif, T. Chinoda, M. Kandemir, N. Vijaykirsnan, M. J. Irwin, A. Sivasubramaniam

June 2001 PASTE '01: Proceedings of the 2001 ACM SIGPLAN-SIGSOFT workshop on Program analysis for software tools and engineering

Publisher: ACM

Full text available: pdf (153.29 KB) Additional Information: full citation, abstract, references, cited by, index terms



Bibliometrics: Downloads (6 Weeks): 5. Downloads (12 Months): 29. Citation Count: 4

Energy has become a critical issue in processor design, especially in embedded environments. Thus,

there is a need for tools, which provide an accurate and fast estimation of energy. In this paper, we present the design and use of a tool, Virtual Energy ...

Keyw ords: embedded systems, hardware performance counters, optimizations, signal processing, system energy consumption

13 [Effective Web data extraction with standard XML technologies](#)



 Jussi Myllymaki
 April 2001 WWW '01: Proceedings of the 10th international conference on World Wide Web
 Publisher: ACM
 Full text available:  pdf(198.81 KB) **Additional Information:** full citation, references, cited by, index terms
 Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 119, Citation Count: 7

Keyw ords: crawling, data extraction, deep Web, semistructured data, wrappers

14 [Perceptual user interfaces: multimodal interfaces that process what comes naturally](#)

 Sharon Oviatt, Philip Cohen
 March 2000 Communications of the ACM, Volume 43 Issue 3
 Publisher: ACM
 Full text available:  pdf(256.26 KB)  html(38.29 KB) **Additional Information:** full citation, references, cited by, index terms
 Bibliometrics: Downloads (6 Weeks): 30, Downloads (12 Months): 229, Citation Count: 23



15 [WELD—an environment for Web-based electronic design](#)

 Francis L. Chan, Mark D. Spiller, A. Richard Newton
 May 1998 DAC '98: Proceedings of the 35th annual conference on Design automation
 Publisher: ACM
 Full text available:  pdf(331.99 KB) **Additional Information:** full citation, abstract, references, cited by, index terms
 Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 20, Citation Count: 9

Increasing size and geographical separation of design data and teams has created a need for a network-based electronic design environment that is scalable, adaptable, secure, highly available, and cost effective. In the WELD project we are evaluating ...

Keyw ords: high-level synthesis, telecommunication

16 [Object model resurrection — an object oriented maintenance activity](#)

 Gokul V. Subramaniam
 June 2000 ICSE '00: Proceedings of the 22nd international conference on Software engineering
 Publisher: ACM
 Full text available:  pdf(149.48 KB) **Additional Information:** full citation, abstract, references, index terms
 Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 42, Citation Count: 0

This paper addresses the problem of reengineering object-oriented systems that have incurred increased maintenance cost due to long development time-span and project lifecycle. When an Incremental Approach is used to develop an object-oriented system, ...

Keyw ords: class reengineering, object oriented reengineering/maintenance/metrics, process models

17 [XML-enabled workflow management for e-services across heterogeneous platforms](#)

German Shegalov, Michael Gillmann, Gerhard Weikum
 August 2001 The VLDB Journal — The International Journal on Very Large Data Bases, Volume 10 Issue 1

Publisher: Springer-Verlag New York, Inc.

Full text available:  pdf(662.54 KB)


Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 14, Downloads (12 Months): 69, Citation Count: 14

Advanced e-services require efficient, flexible, and easy-to-use workflow technology that integrates well with mainstream Internet technologies such as XML and Web servers. This paper discusses an XML-enabled architecture for distributed workflow management ...


Key words: Business processes, Information system interoperability, Internet e-services, Workflow management, XML/XSL

18 [Managing periodically updated data in relational databases: a stochastic modeling approach](#)

 Avigdor Gal, Jonathan Eckstein

November 2001 Journal of the ACM (JACM), Volume 48 Issue 6

Publisher: ACM

Full text available:  pdf(466.73 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 130, Citation Count: 4

Recent trends in information management involve the periodic transcription of data onto secondary devices in a networked environment, and the proper scheduling of these transcriptions is critical for efficient data management. To assist in the scheduling ...


Key words: Data obsolescence, database replication management, obsolescence cost, stochastic modeling

19 [A publish/subscribe CORBA persistent state service prototype](#)

C. Liebig, M. Gilla, M. Betz, A. Buchmann

April 2000 Middleware '00: IFIP/ACM International Conference on Distributed systems platforms

Publisher: Springer-Verlag New York, Inc.


Full text available:  pdf(283.92 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 31, Citation Count: 1

An important class of information dissemination applications requires 1:n communication and access to persistent datastores. CORBA's new Persistent State Service combined with messaging capabilities offer the possibility of efficiently realizing information ...


20 [Microsoft TerraServer: a spatial data warehouse](#)

 Tom Barclay, Jim Gray, Don Slutz

May 2000 SIGMOD '00: Proceedings of the 2000 ACM SIGMOD international conference on

Management of data

Publisher: ACM

Full text available:  pdf(410.74 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 23, Downloads (12 Months): 117, Citation Count: 8

Microsoft® TerraServer stores aerial, satellite, and topographic images of the earth in a SQL database available via the Internet. It is the world's largest online atlas, combining eight terabytes of image data from the United States Geological Survey ...

Key words: VLDB, geo-spatial, image databases, internet